Application No.: 10/603,786 Docket No.: M4065.0913/P913

AMENDMENTS TO THE CLAIMS

1. (currently amended) An intermediate lens structure, comprising a block of lens material for forming a micro-lens having a first focal length upon a reflow, formed on a support surface, wherein cut-out portions are removed from a central part of the block of lens material, the central part of the block of lens material having a configuration for forming a micro-lens from the block of lens material having a second focal length upon a reflow.

- 2. (original) The intermediate lens structure of claim 1, wherein the block of lens material comprises a spun-on polymer.
- 3. (original) The intermediate lens structure of claim 2, wherein the spun-on polymer comprises a transparent photosensitive polymer.
- 4. (currently amended) A lithographic mask for forming a micro-lens from an intermediate lens structure, comprising:

a mask area; and

at least one exposure opening within the mask area adapted to form at least one cutout portion in the intermediate lens structure; and

at least one pull-back mask portion adapted to link a pair of intermediate lens structures together to retard pull-back of the resulting micro-lenses.

- 5. (original) The lithographic mask of claim 4, wherein the at least one exposure opening is non-symmetrical.
- 6. (original) The lithographic mask of claim 4, wherein the at least one exposure opening is symmetrical.
- 7. (currently amended) A lithographic mask array for forming an array of micro-lenses from a plurality of intermediate lens structures, comprising an array of masks,

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each mask comprising:

a mask area; and

at least one exposure opening within the mask area adapted to form at least one cutout portion in a respective one of the intermediate lens structures; and

at least one pull-back mask portion adapted to link a pair of intermediate lens structures together to retard pull-back of the resulting micro-lenses.

- 8. (original) The lithographic mask array of claim 7, wherein the mask areas comprise an opaque material.
- 9. (original) A lithographic mask array for forming an array of micro-lenses from a plurality of intermediate lens structures, comprising:

a plurality of mask areas formed of an opaque material; and

at least one pull-back mask portion adapted to link a pair of intermediate lens structures together to retard pull-back of the resulting micro-lenses.

- 10.(original) The lithographic mask array of claim 9, wherein at least one of the mask areas includes at least one exposure opening for forming at least one cut-out portion in a respective one of the intermediate lens structures.
- 11.(original) The lithographic mask array of claim 10, wherein said at least one exposure opening is symmetrical.
- 12.(original) The lithographic mask array of claim 10, wherein said at least one exposure opening is non-symmetrical.
 - 13 33. (canceled)
- 34. (currently amended) A <u>convex</u> semiconductor micro-lens formed from an intermediate structure <u>operable to form a micro-lens having a first focal length upon a reflow, the convex micro-lens and having a <u>second</u> radius defined during fabrication by reducing mass from a centralized portion of the intermediate structure.</u>